UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/637,181	08/08/2003	Shinji Tanaka	5259-000029	3932

27572   7590   07/11/2008
HARNESS, DICKEY & PIERCE, P.L.C.
P.O. BOX 828
BLOOMFIELD HILLS, MI 48303

EXAMINER
HO, ANDY

ART UNIT	PAPER NUMBER
2194	

MAIL DATE	DELIVERY MODE
07/11/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _15 April 2008_.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-21_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-21_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☒ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some * c) ☐ None of:

      1. ☒ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _8/8/03; 6/22/06; 9/25/06; 11/30/06_.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____.

DETAILED ACTION

1. This action is in response to the communication filed 4/15/2008.

2. Claims 1-21 have been examined and are pending in the application.

Specification

3. The disclosure is objected to because it contains an embedded hyperlink and/or other form of browser-executable code (page 2). Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

4. Claims 1-21 are rejected under 35 U.S.C. 102(a) as being anticipated by Convent U.S Publication No. 2002/0016814.

As to claim 1, Convent teaches an object state transfer method in a data processing device (Fig. 2) comprising an application program (client application, Fig. 1), and a plurality of objects having internal states (Java objects state, paragraph 0029

page 3), which can be manipulated via an accessor method (method call via remote

interface, Figs. 1-2), the object state transfer method comprising the steps of:

arranging the internal states of the plurality of objects into a byte sequence,

which is manipulated from the application program via the accessor method (...For a

class to be serializable, the user has to implement the java.io.Serializable interface and

the class fields have to be either of a primitive type or serializable. Alternatively, an

object can be serializable if the class implements methods that write the state of non-

primitive or non-serializable fields into the byte stream..., paragraph 0029 page 3); and

transferring the internal states of the plurality of objects by transmitting the byte

sequence to an external device (a request for data or other information from the client

application, paragraph 0029 page 3).

As to claim 2, Convent further teaches mapping an internal state of a new object

to the byte sequence when the application program creates the new object; and

storing mapping data relating to the mapping (paragraph 0029 page 3).

As to claim 3, Convent further teaches when the application program has

manipulated an internal state of an object by using the accessor method, setting a state

in the byte sequence mapped to the internal state or obtaining a state from the byte

sequence, and returning the result to the application program (paragraph 0030 page 3).

As to claim 4, Convent further teaches transferring the byte sequence which

holds the internal states of the objects and the stored mapping data to another data

processing device which reproduces the objects (...provide information on the returned

result sets, including the number of different returned result sets, the structure of

columns and data types in each result set, as well as the number of rows and how such

result set data maps to the elements 66a . . . k in the Java serializable object 34. Thus,

the result sets and/or output parameters returned by the stored procedure 28 may map

to elements in the Java serializable object 34 that can be returned to the client

application 6 as a single data object in response the call...paragraph 0030 page 3).

As to claim 5, Convent further teaches when the application program has

determined that an object becomes unnecessary, canceling the mapping between the

byte sequence and the internal state of the object, and updating the mapping data

(paragraph 0032 page 3).

As to claim 6, Convent further teaches receiving the byte sequence and the

mapping data, updating a byte sequence and mapping data in the other data processing

device based on the received byte sequence and mapping data, and reproducing the

objects based on the updated byte sequence and mapping data (paragraph 0041 page

4).

As to claim 7, it is a system claim of claims 1-2. Therefore, it is rejected for the

same reasons as claims 1-2 above.

As to claim 8, it is a system claim of claims 2-3. Therefore, it is rejected for the

same reasons as claims 2-3 above.

As to claim 9, it is a system claim of claims 1-3. Therefore, it is rejected for the

same reasons as claims 1-3 above.

As to claims 10-15, they are program claims of claims 1-6, respectively.

Therefore, they are rejected for the same reasons as claims 1-6 above.

As to claims 16-21, they are program product claims of claims 1-6, respectively.

Therefore, they are rejected for the same reasons as claims 1-6 above.

Conclusion

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Andy Ho whose telephone number is (571) 272-3762. A

voice mail service is also available for this number. The examiner can normally be

reached on Monday – Friday, 8:30 am – 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Meng An can be reached on (571) 272-3756.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIM) system. Status information for

published applications may be obtained from either Private PAIR or' Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is 571-272-

2100.

Any response to this action should be mailed to:

Commissioner for Patents

P.O Box 1450

Alexandria, VA 22313-1450

Or fax to:

- AFTER-FINAL faxes must be signed and sent to (571) 273 - 8300.

- OFFICAL faxes must be signed and sent to (571) 273 - 8300.

- NON OFFICAL faxes should not be signed, please send to (571) 273 – 3762

/Andy Ho/

Primary Examiner

Art Unit 2194